

Cyclical composition of permian rocks

Nurgalieva N., Nurgaliev D.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2006-2015 Asian Research Publishing Network (ARPN). Permian rocks within Volga-Kama rivers region were considered in light of environments and mechanisms of sedimentary cycles during Middle and Late Permian. Cycles are reconstructed on a lot of lithological data series (grain size, carbonates, magnetic susceptibility) in variations along the sections and in statistical models of spectral analysis. It is mathematically showed that coarse grains parameter is important to reconstruct cyclical composition of section consisted of marine and continental facies. Analysis of cycles on other lithological properties should be carried out in parts of sections with no signs of major breaks and scores.

Keywords

Permian rocks, Sedimentary cycles, Spectral analysis